

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Box **PATENT APPLICATION**  
Assistant Commissioner  
for Patents  
Washington, D.C. 20231

Sir:

Transmitted herewith for filing is the patent application of:

Inventor: Paul A. Underbrink, et al.

For: DIRECTIONAL ANTENNA FOR HAND-HELD WIRELESS  
COMMUNICATIONS DEVICE

Enclosed are:

1 pages of abstract X Combined Declaration/  
25 pages of specification Power of Attorney  
6 pages of claims — Assignment  
4 pages of formal drawings — Other: \_\_\_\_\_

— **Post Office Express Mail Certificate No. EL 431 004 502 US**

The filing fee has been calculated as shown below:

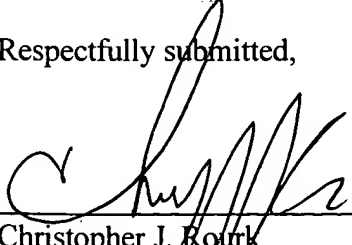
For:	No. Filed	No. Extra	Rate	Large Entity Fee
Basic Fee				\$760.00
Total Claims	21 - 20 =	-1-	x \$ 18.	18.00
Indep. Claims	4 - 3 =	-4-	x \$ 78.	78.00
Multiple dependent claims	-none-		+ \$260.	0.00
			<b>TOTAL</b>	<b>\$856.00</b>

Our check in the amount of \$856.00 in payment of the filing fee is enclosed.

The Commissioner of Patents and Trademarks is hereby authorized to charge any fee deficiency or to credit any fee overpayment relating to this matter to Deposit Account No. 01-0657. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Date: 9/13/99

  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of

Paul A. Underbrink, et al.

Group Art Unit:

Serial No.:

Examiner:

Filed: Herewith

For: DIRECTIONAL ANTENNA FOR HAND-HELD WIRELESS COMMUNICATIONS DEVICE

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Assistant Commissioner for Patents  
Washington, D.C. 20231

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**CERTIFICATE OF MAIL BY "EXPRESS MAIL"**

"Express Mail" Mailing Label No. EL 431 004 502 US

Date of Deposit: September 13, 1999

I hereby certify that the attached patent application including patent application transmittal, 25 pages of specification, 6 pages of claims, 1 page of abstract, 4 pages of formal drawings, Combined Declaration/Power of Attorney and check for \$856.00 referred to as enclosed herewith are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 in an envelope addressed to: Box Patent Application, Assistant Commissioner for Patents, Washington, D.C. 20231 on the date of deposit indicated above.

Christopher J. Rourk  
(Typed Name of Person Depositing  
Envelope in Express Mail Facility)

  
Signature

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